

TANZANIA COMMISSION FOR SCIENCE AND TECHNOLOGY



NFAST FUNDED PROJECTS UNDER KILIMO KWANZA THEME -2012-2015

| No. | Name | Project title | Full address |
|-----|--------------------------------------|---|---|
| 1. | BAITANI, Wilson Eng. | Testing of CAMARTEC Fastructure for Commercialisation | Centre for Agricultural Mechanization and Rural Technology (CAMARTEC) Njiro Road, Plot 152A P.O. Box 764, ARUSHA wmbaitani@yahoo.com , wmbaitani@gmail.com |
| 2. | CHAMBI, Juhudi Mr. | Improving Sugarcane productivity through the enhancement of the sugarcane genetic variability | Sugarcane Research Institute, Kibaha P.O. Box 30031 Tumbi, Kibaha sri@iwayafrica.com |
| 3. | GIMBI, Angaza Dr. (Kusiluka Lughano) | Assessment of the potential for commercialization of traditional beef feedlots | The Open University of Tanzania P.O. Box 23409 Dar es Salaam agimbi@yahoo.com |
| 4. | HAMISY, William Chrispo Mr | Strengthening on farm conservation of selected neglected and underutilized crop species (cucurbits, finger millet, yam, aloe and orchids) in Tanzania | Tropical Pesticides Research Institute P. O. Box 3024 Arusha Whanusy@hotmail.com |

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| 5. | IGULU, Mathias | Fish solar drying techniques evaluation and introduction to fishing communities, Lake Nyasa Tanzania | Tanzania Fisheries Research Institute (TAFIRI) P.O. Box 9750 DAR ES SALAAM myigulu@yahoo.com , mathiasigulu@gmail.com |
| 6. | IRANGA, George M. | Enhanced food security and income through promotion, development of drought tolerant maize varieties and establishment of optimum nitrogen rates | Chollima Dakawa P. O. Box1892 Mvomero ilonga@iwayafrica.com chollima@iwayafrica.com ; georgeiranga@yahoo.com |
| 7. | KASUGA, Louis Dr. | Transfer of Cashew Technology Using Integrated Cashew Management Program Approach | Naliendele Agriculture Research Institute P.O. Box 509 MTWARA louis.kasuga@gmail.com , director@naliendele.or.tz ; info@naliendele.or.tz |
| 8. | KATIMA , Jamidu Prof. | Enhance Urban Agriculture and Fish Farming through application of Constructed Wetlands | College of Engineering and Technology University of Dar es Salaam P.O. Box 35131 DAR ES SALAAM jkatima@udsm.ac.tz ; jamidu_katima@yahoo.co.uk |
| 9. | KIBAZOHI, Oscar | Improvement and up-scaling of a new banana juice extraction technology and commercialization) of proven technologies and services to end-users | University of Dar es Salaam P.O. Box35131 DAR ES SALAAM kibazohi@udsm.ac.tz |
| 10. | KIMBI, Eliakunda Dr. | Increasing pig productivity and market off-take of smallholders' farmers through improved and integrated husbandry practices | Tanzania Livestock Research Institute (TALIRI Uyole) P.O. Box 6191 MBEYA cekimbi@yahoo.com |

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| 11. | KIMIREI Ismael Mr. | Assessment of locally available fish feed ingredients for development of aquaculture in Tanzania | Tanzania Fisheries Research Institute (TAFIRI) P.O. Box 9750 DAR ES SALAAM kiakimerei@yahoo.com , tafiriHQ@yahoo.com |
| 12. | KOMWIHANGILO , Daniel Dr. | Testing a stratified model for commercialize traditional beef cattle production in Tanzania | National Livestock Research Institute (NLRI) Kikombo, Mpwapwa P.O. Box 202, Mpwapwa dkomwihangilo2001@yahoo.com |
| 13. | LAMTANE, Hieromin Amon Dr. | Promotion of artificial propagation of African catfish for enhancing fish production | Sokoine University of Agriculture P.O. Box 3004 MOROGORO dasp@suanet.ac.tz ; hlamtan@yahoo.co.uk |
| 14. | LUKONGE, Everina Dr. | Improvement of Cotton productivity in Tanzania by using Improved production technology | Lake Zone Agriculture Research Institute Ukiriguru (LZARDI) P.O. Box 1433 MWANZA elukonge@yahoo.com , lzardi@iwayafrica.com |
| 15. | LYAMCHAI, Charles Joseph Mr. | Enhancing Utility of proven Agro-Forestry options to revive the home gardens of Northern Tanzania | Selian Agricultural Research Institute P.O. Box 6024 ARUSHA lyamchai@yahoo.com |
| 16. | MADALLA, Nazael Dr. | Development of Tilapia and Catfish Feeds for Sustainable Aquaculture Development in Tanzania | Department of Animal Science and Production, SUA P. O. Box 3004 MOROGORO nmadalla@gmail.com , dasp@suanet.ac.tz |
| 17. | MAGONKA, Mary Jackson | Enhancing Availability of Quality Indigenous day old Chicks for Commercial Poultry Producers Through Establishment of Grant-Parent and Parent Stocks. | Ministry of Livestock and Fisheries Development P. O. Box 202 MPWAPWA magonkaj@yahoo.com , talirimpwapwa@gmail.com |

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| 18. | MAHOO, Henry Prof. | Evaluation of the performance of System of Rice Intensification (SRI) in Tanzania using Field experiments and aqua crop model | Sokoine University of Agriculture, Soil Water Management Research Group P. O. Box 3003 MOROGORO mahoohenry@yahoo.com |
| 19. | MALAGO, Joshua Joseph Dr. | Improving field diagnostic Techniques for contagious bovine pleuropneumonia | Sokoine University of Agriculture P. O. Box 3000 MOROGORO malagojj@yahoo.com |
| 20. | Mheni N. | Barley varieties improvement for good malting quality, disease resistance and high yield in Tanzania | Selian Agricultural Research Institute P. O. Box 6024 ARUSHA mheni22@yahoo.co.uk |
| | Mheni N. (C. Kuwite) | Development and Dissemination of High Yielding Disease Resistant Wheat Varieties in Tanzania | Selian Agricultural Research Institute (SARI) P. O. Box 6024 ARUSHA mheni22@yahoo.co.uk |
| 21. | MARIKI, Wilfred Mr. | Evaluation of at least 3 types of <i>Dolichos lablab</i> crop for adoption in marginal rainfall areas in Tanzania | Selian Agricultural Research Institute P. O. Box 6024 ARUSHA wmariki@yahoo.com , wmariki@gmail.com |
| 22. | MASHINGO, Mary Salome Henry Dr. | Introduction of promising pastures for improving demarcated pastoral grazing land productivity and forage conservation | Ministry of Livestock Development and Fisheries Kongwa Pasture Research Centre P. O. Box 5 Kongwa drmaria58@yahoo.com |
| 23. | MATERU, Christopher L. Dr. (Zuberi Seguni) | Integrating Oecophylla Longinoda an for fruit fly management on smallholder mango orchards in Tanzania coastal regions | Mikocheni Agriculture Research Institute P. O. Box 6226 DAR ES SALAAM chrismateru@yahoo.com , chrismateru@gmail.com |

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| 24. | MBASSA, Gabriel Kihanda Prof. | Analytical investigations on hides, skin, leather and leather goods for developing tanneries and leather goods factories for youth empowerment. | Sokoine University of Agriculture P. O. Box 3016 MOROGORO gabrielmbassa@yahoo.com , gkmbassa@suanet.ac.tz |
| 25. | MBOGOMA, John Dr. | Up scaling the use of proven technologies in National Ranches for Improved beef yield | National Ranching Company Ltd Mavuno House Azikiwe Street P. O. Box 9113 DAR ES SALAAM john.mbogoma@narco.co.tz , bwire.kafumu@gmail.com |
| 26. | MDANGI , Mashaka Mr. | Evaluation of selected botanicals as rodent repellents in maize fields and stored maize seeds in rural areas | ARI ILONGA P. O. Box KILOSA Mesha78m@yahoo.com , mmdangi@gmail.com |
| 27. | MFINANGA, Godfrey | “Evaluation of the effectiveness of the crude extracts of Mugariga (<i>Carisa spinarum</i>) for the effectiveness of treatment of diabetes type II patients in Tanzania following single oral administration” | National Institute for Medical Research (NIMR) P.O BOX 2448 DAR ES SALAAM gsmfinanga@yahoo.com |
| 28. | MHITA, Mohamed | Integrating impacts of climate change in agricultural planning in Tanzania | Centre for Weather and Climate Application and RESEARCH (CWCAR) P. O. Box 72197 DAR ES SALAAM Mmhita2002@yahoo.co.uk |
| 29. | MKAMILO, Geoffrey Dr. | Improving cassava productivity and utilization in Tanzania | Naliendele Agricultural Research Institute P. O. Box 509 MTWARA geoffreymkamilo@yahoo.co.uk |
| 30. | MMASA, Joel | Sweet potatoes value chain analysis in Tanzania: A case of Southern Highlands and | The University of Dodoma (UDOM) P. O. Box 259 Chimbwaga, DODOMA |

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| | | Eastern Zone | Dvc-arc@udom.ac.tz ; joel_mmasa@yahoo.co.uk |
| 31. | MOHAMMED, Sheikh Dr. | Novel techniques on stock enhancements of mud crabs (<i>Scylla serrata</i>) around Tanzania coast | Department of Se/Res Unit School of Education, Arts and Sc. The State University of Zanzibar, P. O. Box 146 ZANZIBAR Sheikmali2003@yahoo.com ; msheikh@zabacco.com |
| 32. | MPELUMBE-NGELEJA, Chanasa Dr. | Diseases Surveillance and Risk Management for Increased Livestock Production In Southern Zones of Tanzania | Tanzania veterinary Laboratory Agency P.O. Box 9452 Dar es Salaam carngeleja@yahoo.com |
| 33. | Ms Mechtilda B. Byamungu) | Increasing cattle productivity through enhanced community based tsetse and trypanosomiasis in Southern Tanzania | TVLA Tanga bmechtilda@gmail.com |
| 34. | Dr. Zachariam Makondo | Up scaling of Thermo tolerant Vaccine Technology for the control of Newcastle disease in Tanzania | Tanzania veterinary Laboratory Agency P.O.Box 9452 Dar es Salaam zmakondo@gmail.com , zmakondo@yahoo.com |
| 35. | MSEMWA, Cornel Mr. | Improvement of quality and shelf-stability of locally processed palm oil: A case of Kyela District, Mbeya | Mbeya Institute of Science and Technology (MIST) Iyunga Industrial P. O. Box 131 MBEYA msemwacz@hotmail.com , Principal@mist.ac.tz |
| 36. | MSHIGENI, Keto Prof. | Edible and Medicinal Mushrooms Production in Tanzania | Huberty Kairuki Memorial University P. O. Box 65300 DAR ES SALAAM Ketomshigeni@gmail.com , secvc@hotmail.com |
| 37. | MSOGOYA, Theodosy Dr. | Improvement of Farmers Income and living standards through reduction of post harvest loses of fresh citrus and | Sokoine University of Agriculture P. O. Box 3016 MOROGORO tjmsogoya@yahoo.com |

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| | | increase in farmer's access to rich markets | |
| 38. | MSUKU, Batman Mr. | Production of Catfish fingerlings using artificial propagation for poverty reduction and environmental conservation Lake Victoria Basin, Tanzania | Tanzania Fisheries Research Institute (TAFIRI) P. O. Box 475 MWANZA bsmsuku@yahoo.com |
| 39. | Amandus Muhairwa Prof. | Validation of locally developed Newcastle Disease vaccine and development of Tanzania Model of Village Local Chicken Production for Poverty Alleviation | Sokoine University of Agriculture Department of Veterinary Medicine and Public Health P. O. Box 3021 MOROGORO muhairwa@yahoo.co.uk , apm@suanet.ac.tz |
| 40. | MTUNDA, Kiddo Dr. | Promotion of technologies to increase production and utilization of Orange Fleshed Sweet potato varieties for food and nutrition security | Sugarcane Research Institute, Kibaha Sugar Stareet Tumbi P. O. Box 30031 KIBAHA Kjmtunda09@yahoo.co.uk , kidomtunda@yahoo.com |
| 41. | MULUNGU, Loth | Investigation of domestic cat (Felis sivistris catus) urine odor as potential rodent management strategy in crop fields in Tanzania | Sokoine University of Agriculture P.O. Box 3000 MOROGORO lothmulungu@yahoo.co.uk |
| 42. | MWAKILEMBE, Pilika Dr. | Enhancing availability and productivity of dairy cattle through genetic stabilization in Tanzania | Livestock Research Centre Uyole P. O. Box 6191 MBEYA andrewmwakilembe@yahoo.com , Ircuyole@yahoo.com |
| 43. | MWALYEGO, Frederica Shao Ms. | Evaluation and dissemination of Rice Yellow Mottle Virus Management strategies to improve productivity in the southern Highlands of Tanzania | Uyole Agricultural Research Institute P. O. Box 400 MBEYA fmwalyego@yahoo.com , Ariuyole@iwayafrica.com |

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| 44. | NCHIMBI-MSOLLA, Susan Prof. | Scaling-up and Commercialization of Quality Declared Seed Production of Common Bean and maize in northern and eastern zones of Tanzania | Department of Crop Science P. O. Box 3005 Chuo Kikuu MOROGORO nchimbi@suanet.ac.tz ; smsolla@yahoo.com |
| 45. | NDARO, Mbwana Suleiman Mr. | Value addition on leather solid wastes to produce leather boards | Tanzania Industrial Research and Development Organization P. O. Box 23235 DAR ES SALAAM mbwanasul@yahoo.co.uk , info@tirdo.org |
| 46. | NDUNGURU, Joseph Dr. | Production of high quality tea in vitro planting material by tissue culture for smallholder farmers in Tanzania | Mikochen Agricultural Research Institute P. O. Box 6226 DAR ES SALAAM -jndunguru2003@yahoo.co.uk |
| 47. | NYAKI, Adolf Dr. Mr. Shabani Hamisi Katogolo (New PI) | Up-scaling of improved sisal production technologies for increased income and food security for smallholder farmers in the Eastern Zone | Mlingano Agriculture Research Institute P. O. Box 5088 TANGA mlingano@iwayafrica.com , adolfnyasi@yahoo.com |
| 48. | OTHMAN, Saida Prof. | Utafiti kuhusu maandiko mbali mbali ya Mwl JK Nyerere ndani na nje ya Tanzania | Mwalimu Nyerere Resource Centre COSTECH Building Dar es Salaam saida.yahyaothman@gmail.com |
| 49. | SAIGURAN, Emmanuel Mr. | Enhancement of Technology Transfer to Farmers through commercialization of Agro Processing Proven Technologies. A case of commercialization of sunflower and leather processing technologies. | Small Industry Development Organization (SIDO) P. O. Box 2476 DAR ES SALAAM dtdp@sido.go.tz , esaiguran@yahoo.com |

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| 50. | SALEH, Haji Mr. | Evaluation and Promotion of Orange Fleshed Sweet Potato (OFSP) for food and nutrition security in Zanzibar | Kizimbani Agricultural Research Station P. O. Box 159 ZANZIBAR hajisaleh76@yahoo.co.uk |
| 51. | SALLU, Raphael Mr. | Improving Indigenous Cattle for increase beef production through community based livestock breeding and management schemes | Central Veterinary Laboratory Temeke P. O. Box 9254 raphaelsallu@yahoo.com |
| 52. | SHILLA, Oshingi Mr. | Mapping of Quantitative Trait Loci (QTL) linked to powdery mildew disease resistance in tomatoes suitable for Tanzania | Tropical Pesticides Research Institute P. O. Box 3024 ARUSHA samballu2002@gmail.com / samballu2002@yahoo.com |
| 53. | SHOKO, Amon Mr. | Integrating agriculture and aquaculture for Increased Farm Productivity | Tanzania Fisheries Research Institute P. O. Box 9750 DAR ER SALAAM Amon_shoko@yahoo.co.uk , tafirihq@yahoo.com |
| 54. | TUSEKELEGE, Hezron Dr. | Participatory validation and up scaling of Systems of Rice Intensification in Morogoro region | Dakawa Agro-Scientific Research Centre P. O. Box 1892 MOROGORO htusekelege@yahoo.co.uk |
| 55. | WAMBURA, Philemon Nyangi Prof. | Field Increasing poultry production through enhancing thermo stability of vaccines for controlling respiratory diseases | Sokoine University of Agriculture Faculty of Veterinary Medicine P. O. Box 3015 MOROGORO pwambura@suanet.ac.tz |
| 56. | Hakim D. Matola | Development of quality and affordable fish feeds using locally available resources | Tanzania Fisheries Research Institute (TAFIRI) P. O. Box 9750 DAR ES SALAAM matolakim@yahoo.com , tafiriha@yahoo.com |

SOUTH AFRICA - TANZANIA JOINT RESEARCH PROJECTS-2013 -2015

| S/N | PRINCIPAL INVESTIGATOR | PROJECT TITLE | INSTITUTION | CONTACTS |
|-----|-------------------------|---|--|--|
| 1 | Prof. Eugene Park | Indigenous African Dyes Based Nitrogen Greenly Doped Titanic Gratzel Solar Cells | Nelson Mandela Institute of Science and Technology | eugene.park@nm-aist.ac.tz |
| 2 | Dr. Paul Erasto Kazyoba | Treatment of heavy metals contaminated waste water in the mining areas using small nano materials adsorbents | National Institute for Medical Research | pkazyoba@nimr.or.tz paulkazyoba@yahoo.co.uk |
| 3 | Dr. Egid Mubofu | Synthesis of Semiconductor Nanoparticles using renewable natural occurring resources from castor oil and cashew nuts shells as capping agents | University of Dar es Salaam | ebmubofu@gmail.com |
| 4 | Arnold Naiman Towo | Inclusion of nanoparticles in lignocellulosic fibres using chemical methods | University of Dar es Salaam | towoarn@udsm.ac.tz towoarn@yahoo.com |
| 5 | Dr. Rose Masalu | Targeting disease specific alternative splicing "signature" with natural products that may serve as novel drugs or lead compounds | University of Dar es Salaam | roseminner@yahoo.com |

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| 6 | Prof. Robinson Mdegela | Valorising the potential of medicinal plants for the treatment of HIV | Sokoine University of Agriculture | mdegela@suanet.ac.tz rmdegela@yahoo.com |
| 7 | Dr. Eliangiringa Kaale | The application of Nanomedicine in enhancing anti-malaria properties of Lumefantrine and Artemether | MUHAS | elia.kaale@muhas.ac.tz |
| 8 | Dr. Eliningaya Kweka | Comparison of malaria vector mosquitoes from Nothern Tanzania and Noth-estern South Africa | Tropical Pesticides Research Institute | pat.kweka@gmail.com |
| 9 | Dr. Donatha D. Tibuhwa | Improvement of cashew and cassava crops production through bio-prospecting a newly found marcofungual parasites aand promoting beneficial utilization of natural biopesticides for controlling of some indigenous crops in Southern African regions | University of Dar es Salaam | dtibuhwa@yahoo.co.uk donata@amu.udsm.ac.tz |
| 10 | Prof. Sebastian Chenyambuga | Genomic tools for improve chevon from South Africa and Tanzania goats | Sokoine University of Agriculture | chenyasw@yahoo.com chenya@suanet.ac.tz |
| 11 | Prof. Noel Kanuya | Application of embryo transfer (et) technology to improve cattle productivity in Tanzania and South Africa | Sokoine University of Agriculture | nkanuya@yahoo.com kanuya@suanet.ac.tz |

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|----|--------------------------|--|--|---|
| 12 | Dr. Edda T. Lwoga | Contribution of information and communication technologies for gender empowerment and sustainable poverty reduction. A comparative case study of Tanzania and South Africa | MUHAS | tlwoga@gmail.com |
| 13 | Dr. Paul Ochieng Onyango | Increasing the small scale fisheries value chain benefits to poor through mobile technology | University of Dar es Salaam | onyango_paul.udsm.ac.tz |
| 14 | Dr. Amos Nungu | Developing a Living Lab framework for co-creation of innovation between SA and Tanzania | Dar es Salaam Institute of technology | amosnungu@dit.ac.tz |
| 15 | Prof. Cassian Magori | The First Tanzanian-South African Collaborative Paleoecological and Paleoecological Research at Plioleistocene Laetoli in Northern Tanzania | St. Francis University College of Health and Allied Sciences | cassianmagori@yahoo.com Principal@sfuchas.ac.tz |